Dyes and Pigments **18** (1992) 319–321

CONTENTS OF VOLUME 18

Number 1

Bis(1,2-(substituted diphenyl)-1,2-ethanedithiolato)nickels having High Solubility 1
H. NAKAZUMI, R. TAKAMURA, T. KITAO & T. ADACHI (Japan)

The Stability and Reversibility of the Dye–Cellulose Bond for Vinylsulfonyl Reactive Dyeings 11
ZENZO MORITA, IN HOI KIM & HIROMI MOTOMURA (Japan)

The Effect of Benzyl Alcohol on the Glass-Transition Temperature and Dyeing Behaviour of Wet Courtelle S by Means of DMA 23
D. AITKEN, S. M. BURKINSHAW & D. M. PRICE (UK)

Predicting the Precipitation of Acid and Direct Dyes in Natural Waters . . 35
MIAOLIN HOU & GEORGE L. BAUGHMAN (USA)

Synthesis and Characterization of 5-Cyano-6-methyl-2,2′-bipyridine Metal-Complex Dyes 47
MASAKI MATSUI, KOICHI MATSUMOTO,
KATSUYOSHI SHIBATA & HIROSHIGE MURAMATSU (Japan)

Compatibility of Acid Dyes on Nylon 57
SADAHARU ABETA (Japan)

An Investigation into the Synergism of Monoazoacetoacetanilide Pigments . 69
LIU DONGZHI & REN SHENGWU (People's Republic of China)

Number 2

Structural Determination of an FD & C Red No. 3 Contaminant . . . 81
EUGENE P. MAZZOLA, ROBERT J. CALVEY,
WILLIAM C. BRUMLEY, MARTIN B. MEYERS,
SANDRA J. BELL, STEPHANIE E. LENZENWEGER (USA) &
WILLIAM F. REYNOLDS (Canada)

Efficient Synthesis of Phthalocyanines and Related Macrocyclic Compounds in the Presence of Organic Bases 91
DIETER WÖHRLE, GÜNTER SCHNURPFEIL &
GERHARD KNOTHE (FRG)

Dyes and Pigments (**18**) (1992)—© 1992 Elsevier Science Publishers Ltd, England. Printed in Great Britain

The Application of Some Alkyl Esters of Alkoxy Derivatives of *N*-Benzyl-*N*-phenyl-*β*-alanine in the Synthesis of 3-Amino-5-nitro[2,1]benzisothiazole-Based Dyes 103
JOLANTA SOKOŁOWSKA-GAJDA (Poland)

5,6-(6,7-)Dichlorobenzothiazolylazo Dyes for Synthetic-Polymer Fibres . . 115
A. T. PETERS & N. M. A. GBADAMOSI (UK)

The Synthesis and Characterization of UV-Absorbing Azo-Pigments and Their Polymerizable Acryloyloxy and Methacryloyloxy Derivatives 125
KHAMIS F. SHUHAIBAR (Kuwait)

A Study on the Synergism and Crystal Form of some Dichlorobenzidine Disazo Yellow Pigments 137
ZHENG SHENMIN, LIU DONGZHI &
REN SHENGWU (People's Republic of China)

Synthesis, Structure, and Spectra of Merocyanines Prepared from Anionic Polymethine Dyes. 151
S. V. POPOV, YU. L. SLOMINSKY, M. L. DEKHTYAR &
A. B. ROZHENKO (Ukraine)

Number 3

Synthesis and Properties of Acid Dyes Derived from 3-Hydroxy-2-naphthanilides 163
K. BLUS & J. KRASKA (Poland)

Ionization and Tautomerism of Chloro-Derivatives of Fluorescein in Water and Aqueous Acetone. 179
NIKOLAY O. MCHEDLOV-PETROSSYAN, MIKHAIL I. RUBTSOV &
LYUBOV L. LUKATSKAYA (Ukraine)

Kinetic and Thermodynamic Characteristics of Azo Dyes for Polyester Fibre in the Presence of Phenol as a Carrier 199
A. ARCORIA, F. FATUZZO & M. L. LONGO (Italy)

Solid-state ^{13}C NMR CP MAS High-resolution Spectroscopy of Chromogens: Structural Aspects of Problem 207
L. A. FEDOROV, A. I. REBROV (Russia) &
SHEN LIANFANG (People's Republic of China)

Properties of Azo Dyes Derived from 2-(*N*-substituted alkyl-*N*-arylamino)ethyl-trimethyl-ammonium Salts. Part I: Phenylamino Derivatives 227
A. PENCHEV, N. GADJEV, D. SIMOV, B. HADJIEVA &
N. BALABANOVA (Bulgaria)

The Distribution Diagram and the Visible Spectra of *o*-Methyl Red Species in Aqueous Solutions 237
KHALID M. TAWARAH (Jordan)

Number 4

The Chromophore of Phenylazo-1,3-indandiones: The Azo Group or the Cyclopentadienyl Cation Fragment? 251
FRITZ DIETZ, KERSTIN ROMMEL (Germany) &
NIKOLAI TYUTYULKOV (Bulgaria)

Fading of Some Vinylsulfonyl Reactive Dyes on Cellulose under Various Conditions 259
YASUYO OKADA & ZENZO MORITA (Japan)

Hydrazone–Azo Tautomerism of Pyridone Azo Dyes. Part III—Effect of Dye Structure and Solvents on the Dissociation of Pyridone Azo Dyes 271
QINJI PENG, MUJIE LI, KUNYUU GAO &
LUBAI CHENG (People's Republic of China)

The Thermal *cis–trans* Isomerization of Azo Dyes Dispersed in Polymeric Blends as a Probe for Characterizing their Morphology 287
ERNESTINA DUBINI-PAGLIA, PIER LUIGI BELTRAME,
RAFAELLA OSTI, BRUNO MARCANDALLI &
ALBERTO SEVES (Italy)

Dye-resist Effects on Silk Fabric Treated with Sulphamic Acid and Sandospace R 297
I. N. SUPRIYATNA & S. K. DAVID (Australia)

Analysis of Reactive Dyes and Related Derivatives Using High-Performance Capillary Electrophoresis 309
S. N. CROFT & D. M. LEWIS (UK)